

Aleutians Emergency Towing System Exercises

2007 2008 2009 2010



Sponsors* and Participants

ADEC*

USCG*

City of Unalaska*

Alaska Marine Pilots Association
Horizon Lines - Tug Gyrfalcon
Dunlap Towing - Tug James Dunlap
Freight Logistics - Trampler Baltic Prosperity
Alaska Maritime Agencies
Nuka Research and Planning Group

Exercise Objectives

Safety

Practice mobilization to tug and ship

Practice deployments

Tug to Ship

Ship to Tug

Capture video and still photography for training and procedures manual

Stage I - System Components and Packing



500' x 7" Plasma Tow Line

Ship's End

Tug's End





600' x 7/8" Spectra
Messenger Line

Lighted Pick-up Buoy &
Thimble Buoy



Line Gun



Cargo Net

Storage Tote



350' x 10" Plasma Tow Line



Packing



New Storage Container



A.4 Floating Electric Marker Light

A.4.a Application



The floating electric marker light is primarily used to mark the location of a crewmember overboard. Procedures for its use can be found in reference (f). The floating electric marker light can be easily deployed from stowage brackets to mark an object or person in the water during daytime or nighttime operations. An attachment line is used to attach the light to the ring buoy. Units shall keep this line attached at all times. If use of the ring buoy without the light is desired, the attachment line can be quickly disconnected. The floating electric marker light is designed to operate for a minimum continuous duration of 36 hours. The ring buoy and rescue line throw bag are generally stowed adjacent to the Floating Electric Marker Light.

A.4.b Salient Characteristics

Any suitable, Coast Guard Approved, floating Electric Marker Light meeting the specifications and certified as outlined in 46 CFR 161.010.

A.4.c Maintenance and Repairs

Maintenance for the floating electric marker light is accomplished in accordance with Maintenance Procedure Card. Repairs to the float light are limited to commercially available parts replacements.

A.4.d Inspection

Build-up and semi-annual inspections procedures are contained in the applicable Maintenance Procedure Card.

A.4.e Supply Sources

Units may obtain brand name or equal floating electric marker light in accordance with reference (c). See Appendix A for additional known ordering information.

Stage II - City of Unalaska Harbor & Airport Operations



Stage III - Helicopter Mobilization to Ship

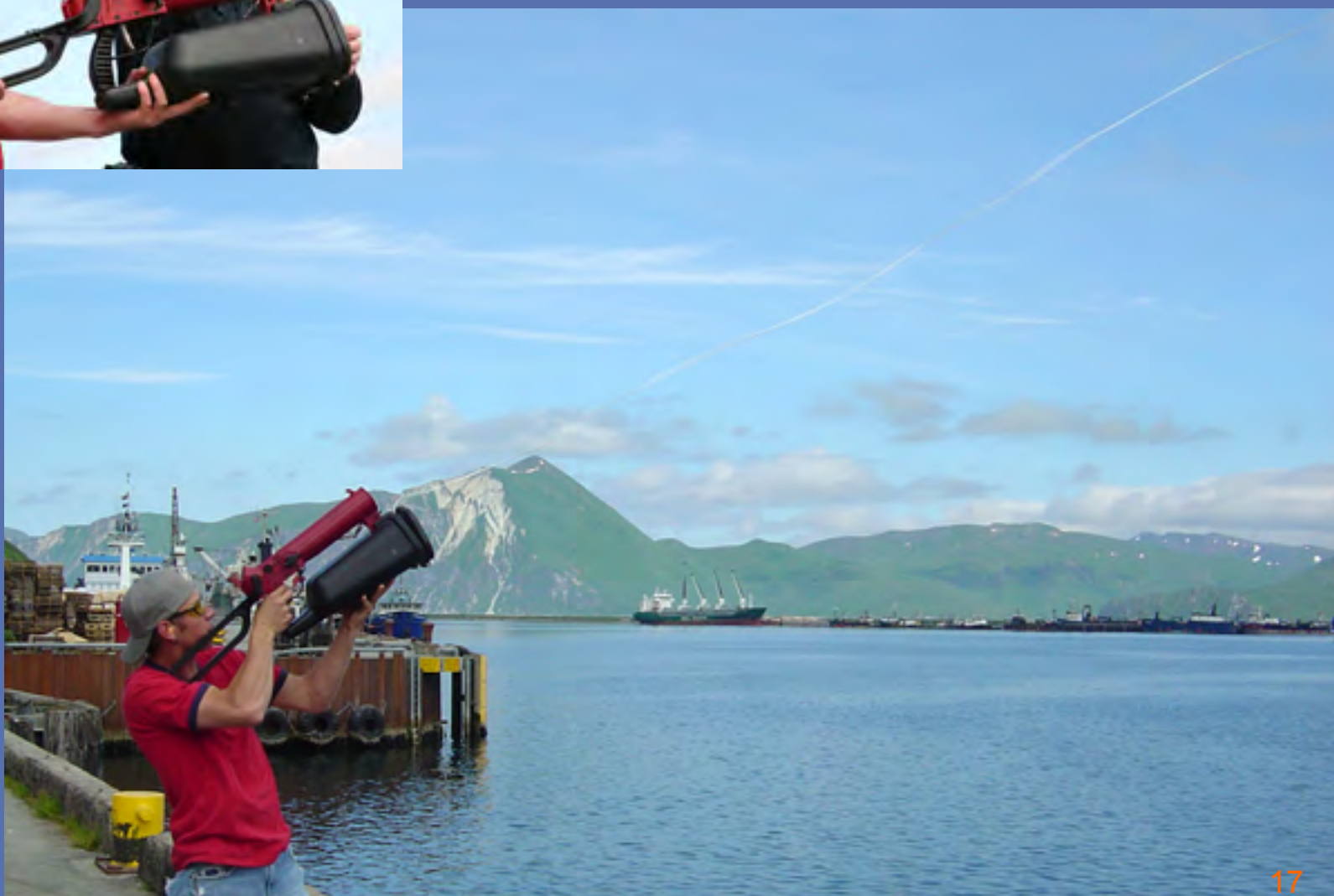




Stage IV - Line Gun Operations







Stage V - Notification, Activation, Command, and Control

Operations

Logistics

Command

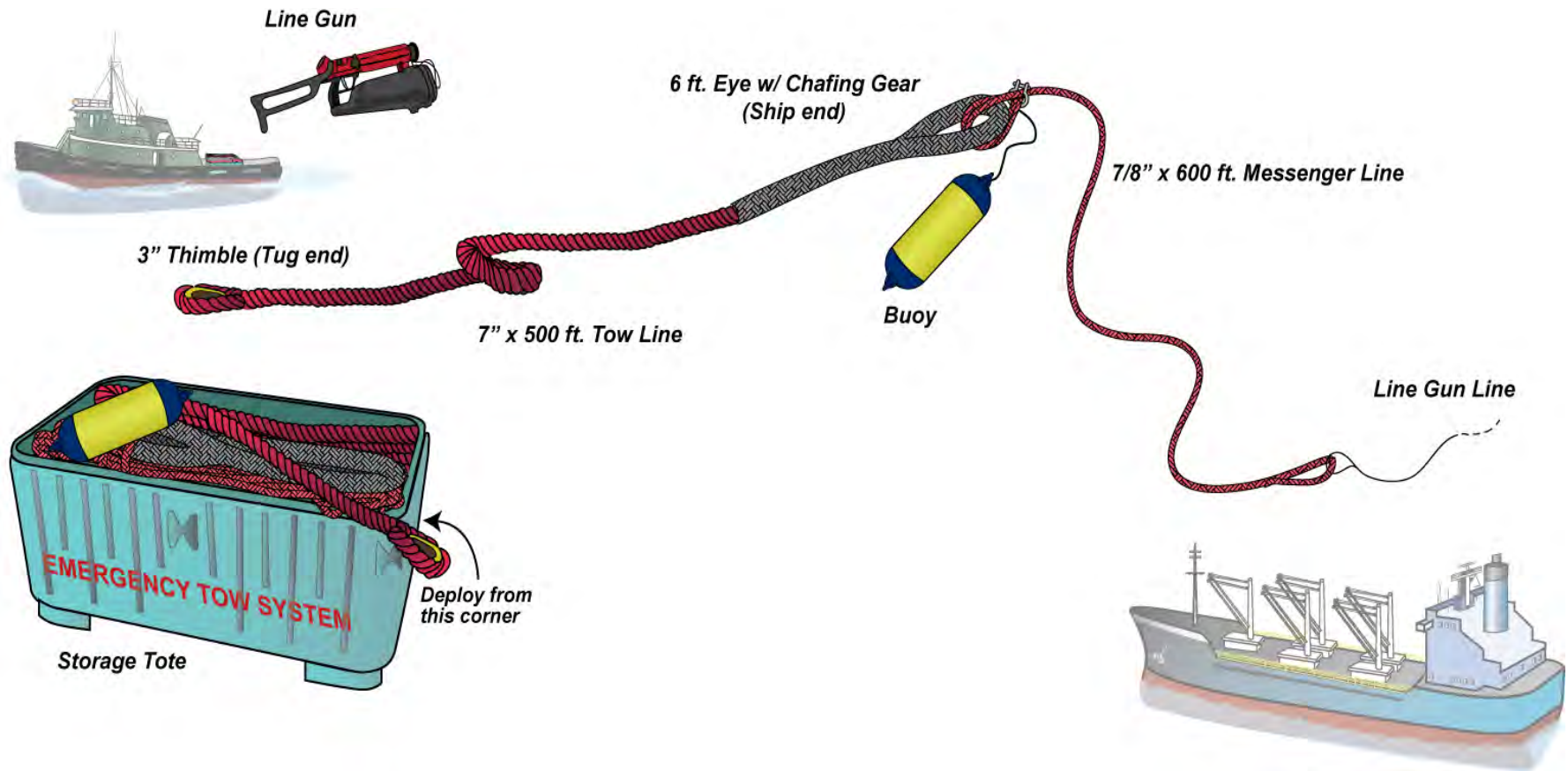
Planning

Finance

Stage VI - Tug to Ship Deployment



Tug to Ship Deployment







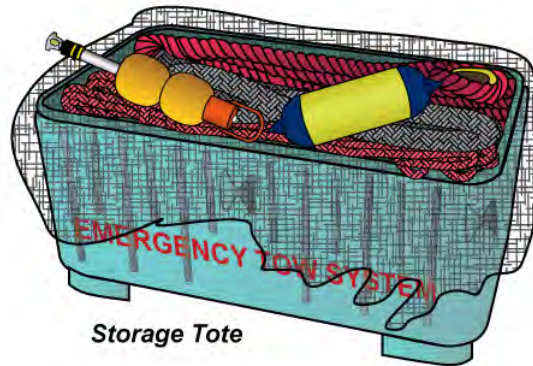




Stage VII - Ship to Tug Deployment



Ship to Tug Deployment



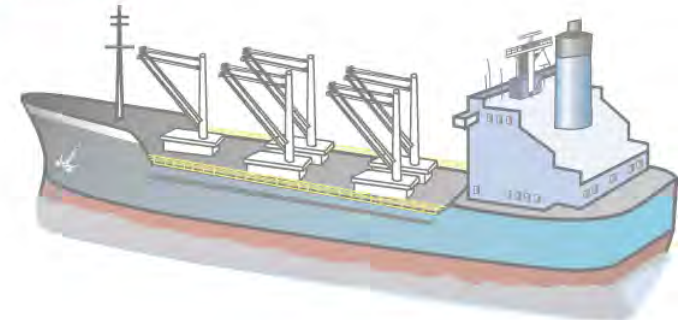
6 ft. Eye w/ Chafing Gear
(Ship end)

7" x 500 ft. Tow Line

3" Thimble (Tug end)

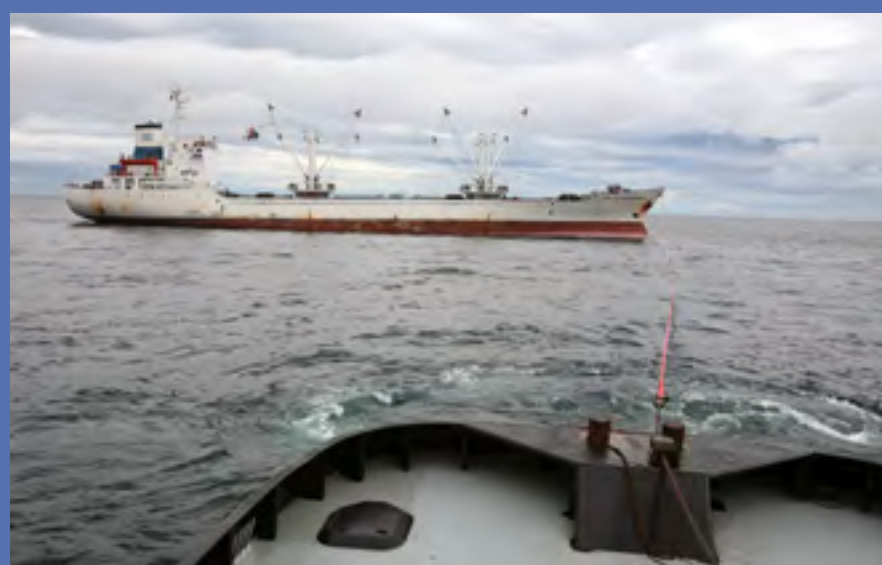
Buoy

7/8" x 600 ft. Messenger Line















Conclusions

- The ETS works as intended
- This project brings together the expertise of the marine pilots, tug crews, and USCG helicopter crews; giving them a valuable tool for rescue operations
- Regular training and practice are necessary